

What is claimed is:

1. A manually operated electric machine tool for a disk-shaped rotating tool (18), having a machine housing (11) from which a drive spindle (12) for the tool (18) protrudes, having a guard (20) that is detachably connected to the machine housing (11) and is designed to at least partially cover the tool (18), which guard has a clamp (23) with a clamping element (24), and having a hollow cylindrical collar (15), which is provided on the machine housing (11) and is coaxial to the drive spindle (12), the clamp (23) permitting the guard (20) to be mounted onto this collar and fixed it in relation to it, wherein the clamp (23) is secured to the collar (15) in a rotating fashion and a manually releasable locking mechanism between the clamp (23) and the collar (15) is designed so as to permit the guard (20) to be locked in a number of definite relative rotation positions in relation to the collar (15).
2. The manually operated electric machine tool as recited in claim 1, wherein the manually releasable locking mechanism has a toothed section (34) provided on the clamp (15) and a ratchet (37) that is provided on the clamp (23) and is pressed into the toothed section (34) by means of spring force.
3. The manually operated electric machine tool as recited in claim 2, wherein the toothed section (34) has sawtooth-shaped teeth (35) with steeply sloped tooth flanks (351) and shallowly sloped tooth backs (352); the teeth (35) are situated one after another so that the tooth flanks (351) are oriented in a direction counter to the rotation direction (19) of the tool (18).
4. The manually operated electric machine tool as recited in claim 2 or 3, wherein the ratchet (37) is embodied on a spring-loaded hand lever (36) that is provided on the outside of the clamp (23) and is able to pivot around a pivot axis (361) parallel to the clamp axis.

5. The manually operated electric machine tool as recited in claim 2 or 3,  
wherein the ratchet (37) is embodied at the front end of a spring tab (38) oriented  
in the rotation direction (19) of the tool (18); the spring tab (38) is affixed to the  
clamp (23) and is preferably cut out from the spring steel plate from which the  
5 clamp (23) is manufactured.

6. The manually operated electric machine tool as recited in one of claims 2  
through 5,  
wherein a circumferential groove/spring connection is produced between the  
10 clamp (23) and collar (15) in order to rotationally secure the clamp (23) to the  
collar (15).

7. The manually operated electric machine tool as recited in claim 6,  
wherein the groove/spring connection has at least one annular groove (33) that  
15 is let into the outer surface of the collar (15) and at least one cam (27 – 29) that  
protrudes radially from the inner surface of the clamp (23) and engages in the  
annular groove (33); the toothed section (34) at the groove bottom of the annular  
groove (33) preferably extends over a rotation angle of 180°.

20 8. The manually operated electric machine tool as recited in claim 7,  
wherein the outer circumference of the collar (15) has at least one axial groove  
(30 – 32) let into it that runs into the annular groove (33) at one end and at the  
other end, opens out at the free end surface of the collar (15) and is associated  
with the at least one cam (27 – 29) on the clamp (23).

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9. The manually operated electric machine tool as recited in one of claims 1  
through 8,  
wherein the clamp (23) is fastened to a semicircular, axially protruding flange  
(22) of the guard (20) by being molded onto it, being welded to it, or by means of  
30 screws or rivets.

10. A guard for a manually operated electric machine tool, which has a collar (15) that encompasses a drive spindle (12) for a disk-shaped rotating tool (18), having a clamp (23) designed to slide onto the collar (15) and having a clamping element (24) that is provided on the clamp (23) and is for affixing the clamp (23) to the collar (15),  
5 wherein the clamp (23) is provided with a locking element for detachably locking the guard (20) in discrete relative rotation positions in relation to the collar (15).

11. The guard as recited in claim 10,  
10 wherein the locking element is a ratchet (37) that is designed to engage in a spring-loaded fashion with teeth (34) on the collar (15).

12. The guard as recited in claim 11,  
wherein the ratchet (37) is embodied on a spring-loaded hand lever (36) that is  
15 provided on the outside of the clamp (23) and is able to pivot around a pivot axis (361) parallel to the clamp axis.

13. The guard as recited in claim 11,  
wherein the ratchet (37) is fastened to one end of a spring tab (38) attached to  
20 the clamp (23) and is preferably cut out from the spring steel from which the clamp (23) is manufactured.

14. The guard as recited in one of claims 10 through 13,  
wherein the clamp (23) has at least one cam (27 – 29) protruding radially from its  
25 inner surface, which is designed to engage in an annular groove (33) provided in the collar (15) of the manually operated electric machine tool.